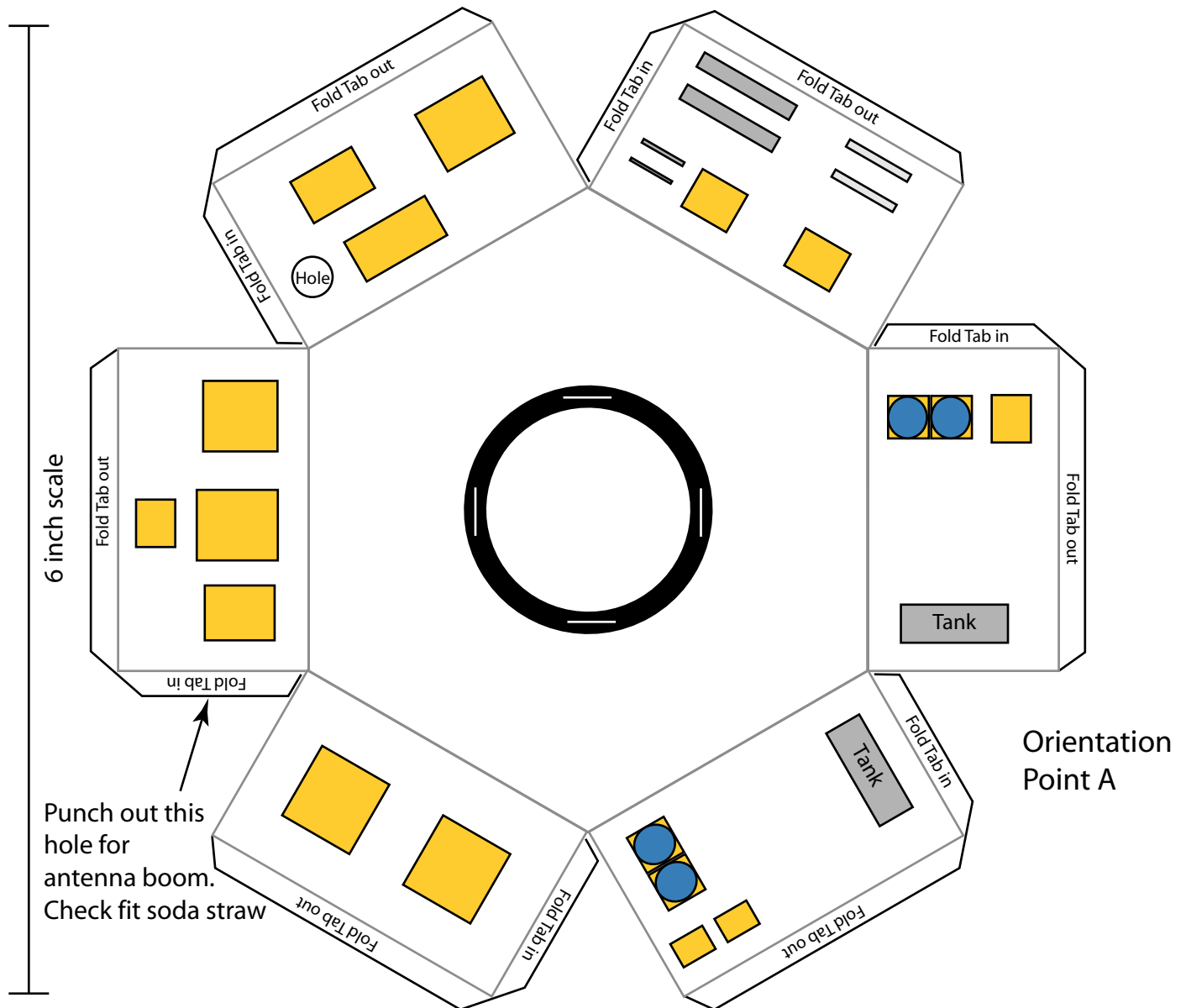


Kepler Spacecraft Base

Sheet 1

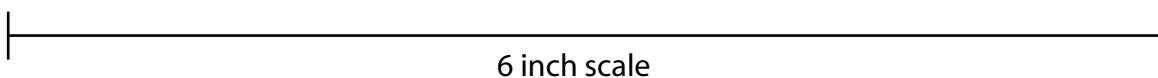


Cut around outside edges only. Do not cut out the center.

Make 4 slits in inner ring for Payload Attachment ring.
 Use a good straight edge like a metal ruler to make crisp folds.
 Fold six side panels with gold colored equipment boxes on the outside
 to form a hexagonal (6-sided) base for the spacecraft
 Glue the "Fold Tab In" to the inside of the adjacent side panel.



Payload Attachment Fitting. Form into a circular band. Slip tabs into slits
 in the middle of the base ring. Then fold tabs over and glue on inside
 and glue end tab.



Spacecraft Base Plates

Sheet 2

Cut along grey lines
Inside and outside of
both parts

Save the round disk from the
top piece for the photometer
bottom cap.

Slip the part with the
hexagonally shaped
hole over the hexagonal base
from sheet one. Glue the six
tabs from the base
to this base frame

Cut out the lower hexagon and the
center hole in it. Glue this piece on top
of the base frame to cover the tabs,
aligning the hexagons.
Rings 1 and 2 are used later for the
photometer

Orientation
Point A

Cut out this hexagonal area
Save the disk for later

Cut out this hole Save ring-2

Ring-2
Cut out center

Ring-1

Cut out center after
using for a template
for the Schmidt
corrector

6 inch scale

The scale is used to verify that the printer software is not scaling to a different size

A

B

C

Cut around the outside only in these three antenna parts. Punch out holes. Save one hole punch.
In antenna dish (C), cut slit to center. Overlap to tick mark and glue to form shallow cone.
Cut tooth pick into three half inch lengths. Glue half inch lengths to three points in center of
dish to form a tripod. Glue one hole punch on end of tripod.

6 inch scale

B

D

6 inch scale

Sheet 4

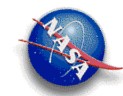
Solar Array Panels

G

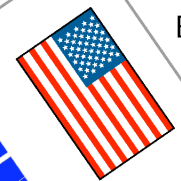
Large array

F

E



Kepler



6 inch scale

Cut around the outer edges of all parts
Use a good straight edge
Like a metal ruler to fold
tabs and along the grey lines
between the panels

Glue solar array backs
from sheet 3 to the backs
of these panels except for
the two smallest panels.

Orientation
Point A

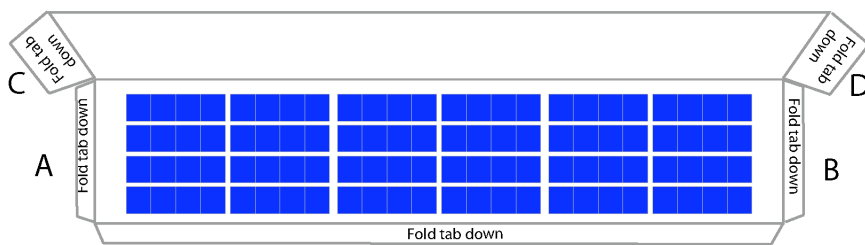
Letters indicate where
tabs should be glued to
matching part.

Close out piece

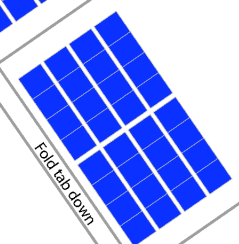
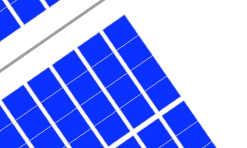
F

E

G



Small array



A

Solar Array-Base Plate

Cut around outer edge and cut out center hole. Glue solar array from Sheet 4 to this part.

Focal Plane

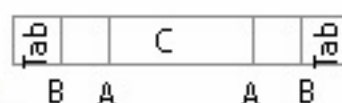
Spider Bracket

Cut out two focal plane brackets. Cut on solid line to centers and 1/4 in from right edge. Apply glue only along region A. Fold on horizontal dotted line. Fold back end B to form a T. Apply glue to region B on both pieces. Glue region B from both pieces to form a cross as shown to the lower left.



Radiator Support Bracket

Cut around outside. Fold to make a U at fold marks A. Glue bottom of U shape (area C) to back bottom center of Radiator Panel.



Focal plane



Cut out this hole Save ring-3

Ring-3
Cut out center

6 inch scale

Radiator Panel

Orientation Point A

Fold lines. Fold back about 30 degrees to match hexagonal base shape

Sunshade

6 inch scale

Cut out along the saw tooth edges and the two sides
 Curve the parts by dragging them over the edge of a table until they form cylinders
 Overlap and glue the seams. Fold the "teeth" over to the inside of the tubes.

